BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Improvements of RCC drain & Covering slab Maheshwari Nagara 6th cross Left side road & 7th Cross roads in Dasarahalli Ward No 15

015-19-000005			Est. Cost Rs				74.94	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (Page No. 143, It.No.19.1) PWD SR 2018-19								
	7th Cross L/s & R/s	Cum	2	110.00	1.10	0.90	217.80		
	6th Cross L/s		1	110.00	1.10	0.90	108.90		
	1st B Cross L/s		1	26.00	1.10	0.90	25.74		
	2nd Cross L/s		1	130.00	1.10	0.90	128.70		
	1st A Cross L/s & R/s		2	23.50	1.10	0.90	46.53		
	2nd Cross R/s		1	125.00	1.10	0.90	123.75		
	1st Cross Road R/s		1	130.00	1.10	0.90	128.70		
	1st Cross CC road		1	50.00	4.00	0.30	60.00		
	Desilting of existing drain		2	50.00	0.45	0.45	20.25		
							860.37	207.60	178613.00
	Basic Rate	130.00							
	Add Area Weightage	7.80							
	Disposal Rate	69.80							
	Total	207.60							
2	Removing Precast slab of drain and stacking with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work..(PWD SR 2018-19, Page No.27, Item No. 5.32)								
	1st Cross CC road	Sqm	1	50.00	0.90		45.00		
	Basic Rate	99.00					45.00	104.94	4722.00
	Add Area Weightage 6%	5.94							
	Total	104.94							
3	Refixing precast slabs of drains and pointing in CM 1:3 etc complete Page No. 27/ Item No.5.33/ PWD SR 2018-19								
		Sqm	Qty Vide Item No 02				45.00	111.30	5009.00
	Basic Rate	105.00							
	Add Area Weightage 6%	6.30							
	Total	111.30							
4	KSRRB M2100-10. Plain cement concrete 1:3:6 with OPC cement @ 220kgs with crushed 40mm and down size graded granite metal coarse aggregates @ 0.84cum and fine aggregates @ 0.56cum in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications. MORTH Specification No. 2100 (P.222, I.27.18 PWD -SR 2018-19)								
	7th Cross L/s & R/s	Cum	2	110.00	1.10	0.15	36.30		
	6th Cross L/s		1	110.00	1.10	0.15	18.15		
	1st B Cross L/s		1	26.00	1.10	0.15	4.29		
	2nd Cross L/s		1	130.00	1.10	0.15	21.45		
	1st A Cross L/s & R/s		2	23.50	1.10	0.15	7.76		
	2nd Cross R/s		1	125.00	1.10	0.15	20.63		

	1st Cross Road R/s		1	130.00					
	Basic Rate	5115.00							
	Add Area Weightage 6%	306.90							
	Total	**5421.90**							
5	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2018-19, P.No.155, I No 20.18)						30.00		
	1st Cross CC road	Cum	1	50.00	4.00	0.15	30.00	2001.28	60038.00
	Basic Rate	1888.00							
	Add Area Weightage 6%	113.28							
	Total	**2001.28**							
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200.(PWD SR 2018-19 P.no-271, It No 37.59.20)								
	Bed Concrete								
	7th Cross L/s & R/s	Cum	2	110.00	1.00	0.15	33.00		
	6th Cross L/s		1	110.00	1.00	0.15	16.50		
	1st B Cross L/s		1	26.00	1.00	0.15	3.90		
	2nd Cross L/s		1	130.00	1.00	0.15	19.50		
	1st A Cross L/s & R/s		2	23.50	1.00	0.15	7.05		
	2nd Cross R/s		1	125.00	1.00	0.15	18.75		
	1st Cross Road R/s		1	130.00	1.00	0.15	19.50		
	Side Wall								
	7th Cross L/s & R/s		2x2	110.00	0.75	0.15	49.50		
	6th Cross L/s		1x2	110.00	0.75	0.15	24.75		
	1st B Cross L/s		1x2	26.00	0.75	0.15	5.85		
	2nd Cross L/s		1x2	130.00	0.75	0.15	29.25		
	1st A Cross L/s & R/s		2x2	23.50	0.75	0.15	10.58		
	2nd Cross R/s		1x2	125.00	0.75	0.15	28.13		
	1st Cross Road R/s		1x2	130.00	0.75	0.15	29.25		
	Basic Rate	6670.00					295.50	7070.20	20892

	st A Cross L/s & R/s		2	23.50	0.10	0.90	4.23		
	2nd Cross R/s		1	125.00	0.10	0.90	11.25		
	1st Cross Road R/s		1	130.00	0.10	0.90	11.70		
	Basic Rate	717.00					70.92	760.02	53901.00
	Add Area Weightage 6%	43.02							
	Total	760.02							
8	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.229 - I. no.28.8.2]PWD - SR 2018-19)								
		Tonne							
		Drain Qty	70	295.50			20685.00		
							20685.00		
	Basic Rate	68233.00					20.69	72326.98	1496084.00
	Add 6% A.W	4093.98							
	TOTAL	72326.98							
9	Supplying and fixing **precast** rainforced concrete slab 10cm thick of mix M20 using 20MM and downsize graded granite metal using reinforcement 10mm dia steel at 100mm C/C both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
	7th Cross L/s & R/s	Sqm	2	110.00	0.90		198.00		
	6th Cross L/s		1	110.00	0.90		99.00		
	1st B Cross L/s		1	26.00	0.90		23.40		
	2nd Cross L/s		1	130.00	0.90		117.00		
	1st A Cross L/s & R/s		2	23.50	0.90		42.30		
	2nd Cross R/s		1	125.00	0.90		112.50		
	1st Cross Road R/s		1	130.00	0.90		117.00		
	Missing Slab		99	0.60	0.90		53.46		
	Data Rate Approved						762.66	2208.00	1683953.00
10	Cement concrete **pavement**.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) ((P.No.176, I.No.22.6.1 of PW,P&IWTD SR 2018-19)								
		Cum	1	50.00	4.00	0.15	30.00		
	Basic Rate	4916.00					30.00	5210.96	156329.0
	Add Area Weightage 6%	294.96							
	Total	5210.96							

							Sub Total	6433602
12	RIDL Charge 4.5%							289512.00
13	GST charges 12%							772032.00
14	Miscellaneous and UnforessenCharges							4854.00
							Total	7500000.00
	Rupees Seventy Five Lakhs Only							

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary

2 The Estimate is prepared as per the PW,P & IWTD -SR-2018-19

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

Assistant Engineer
Ward No 15

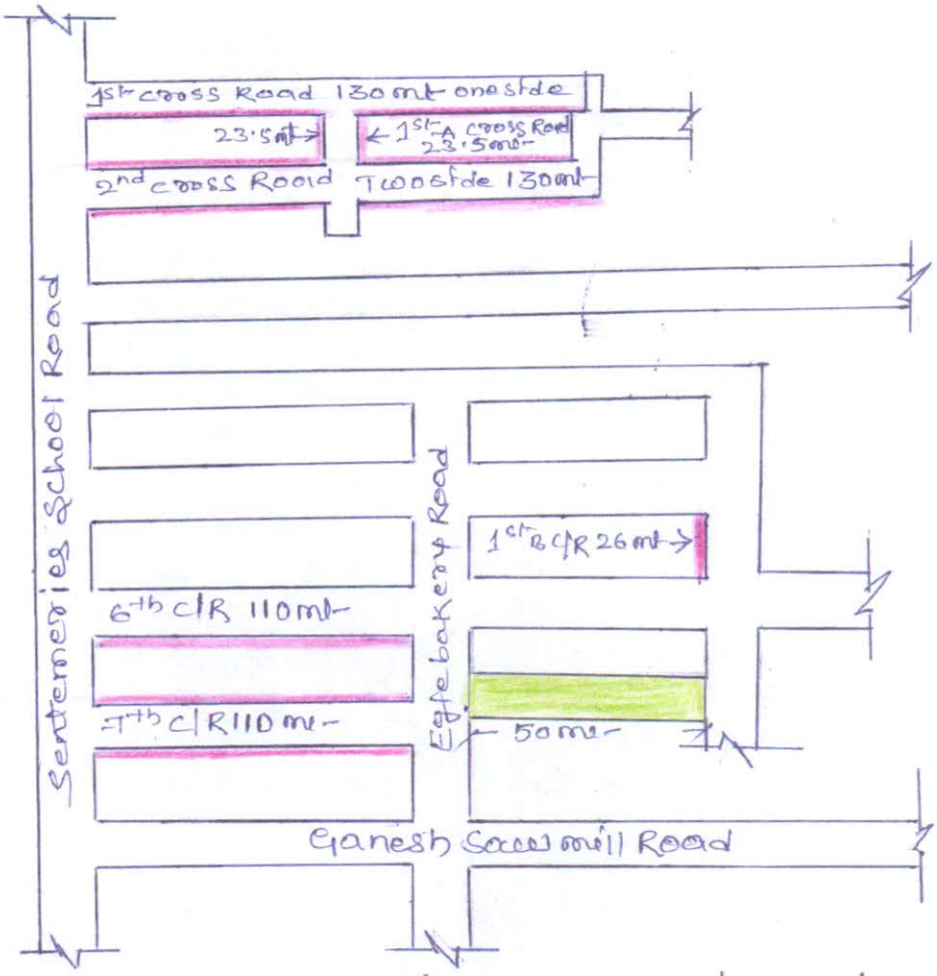
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. EE/DD/AS/86/ 19-20 ದಿನಾಂಕ : 17/06/19
ರೂ. Rs 75.00 Lakhs
Rupees Seventy Five lakhs only
ಎಂದಾದು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ.CE/DZ/TS/49/19-20 ದಿನಾಂಕ : 24/06/2019
ರೂ. 75.00 Lakhs/- (Rs Seventy Five Lakhs Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

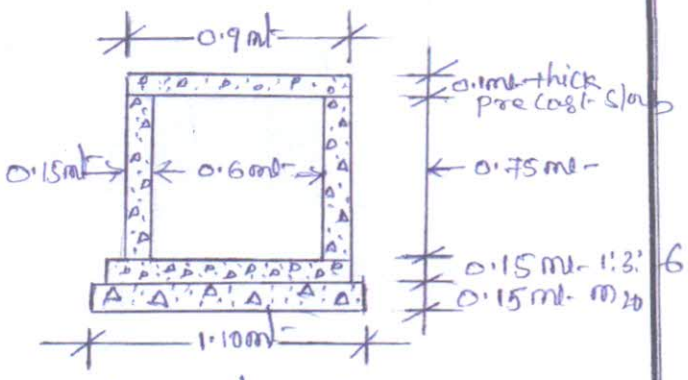
Improvements of RCC drain & Covering slab Maheshwari Nagara 6th cross Left side road & 7th Cross roads in Dasarahalli Ward No 15


1st cross Road 130 mt one side
23.5 mt
1st A cross Road 23.5 mt
2nd cross Road Two side 130 mt
Sentemeries School Road
Eggfe bakery Road
1st B C/R 26 mt
6th C/R 110 mt
7th C/R 110 mt
50 mt
Ganesh Saree mill Road

Key Plan

RCC drain

CC, Road



Cross section of RCC Drain

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ